

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P194353

Luminaire Tested: **GLEON-AF-05-LED-E1-RW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P194353
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24166)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GLEON-AF-05-LED-E1-RW-7060
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30411 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B5 - U0 - G5

Input Watts (W): 279
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



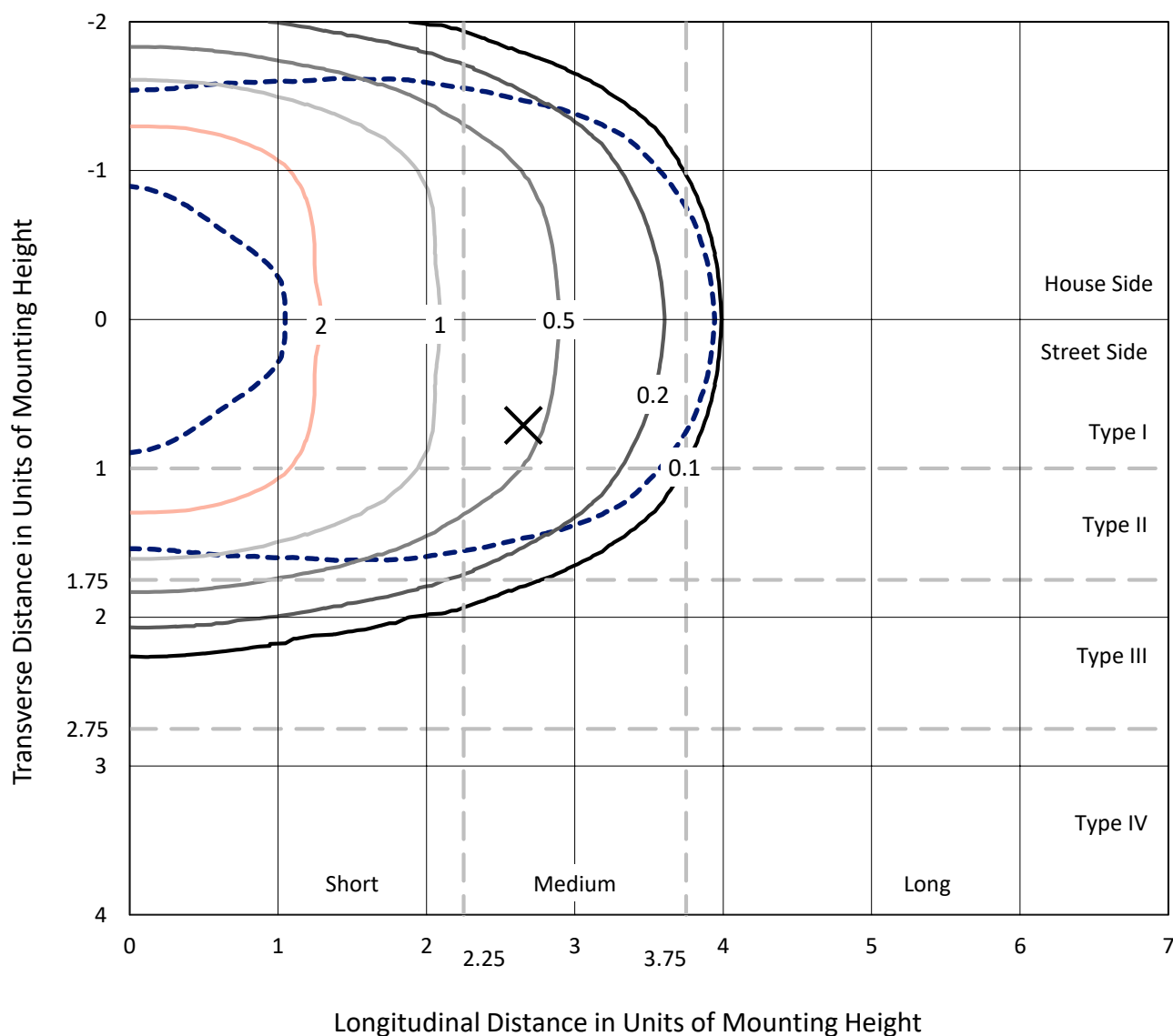
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

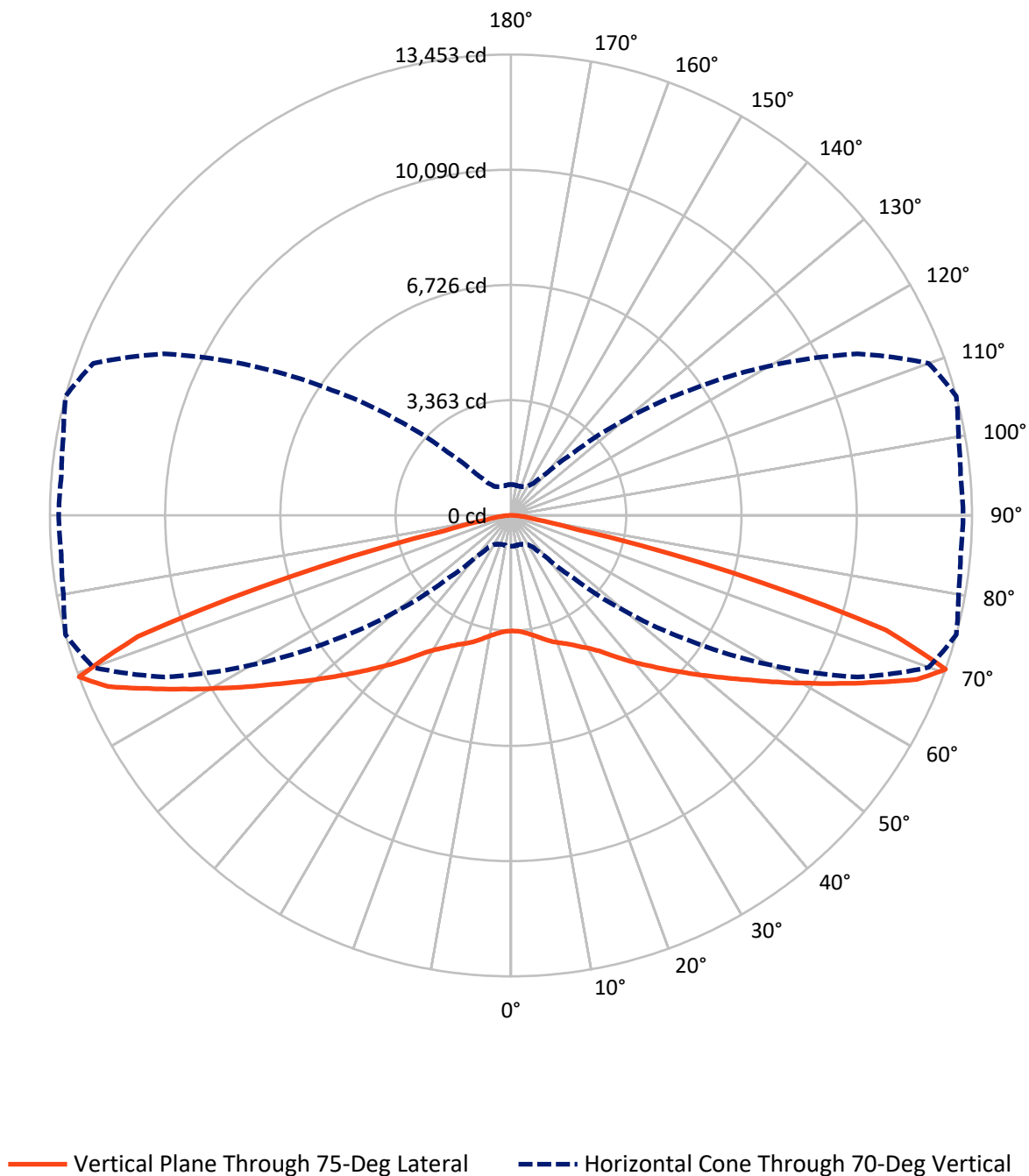


Based on 30 foot mounting height. Maximum calculated value = 3.8 fc
Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15205.5	0.0	15205.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15205.5	0.0	15205.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30411.0	0.0	30411.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.5	1.1
10°-20°	1005.2	3.3
20°-30°	1892.0	6.2
30°-40°	3350.4	11.0
40°-50°	5602.9	18.4
50°-60°	7807.7	25.7
60°-70°	7240.4	23.8
70°-80°	2885.5	9.5
80°-90°	303.3	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	30411.0	100.0
0°-180°	30411.0	100.0

Coefficient of Utilization



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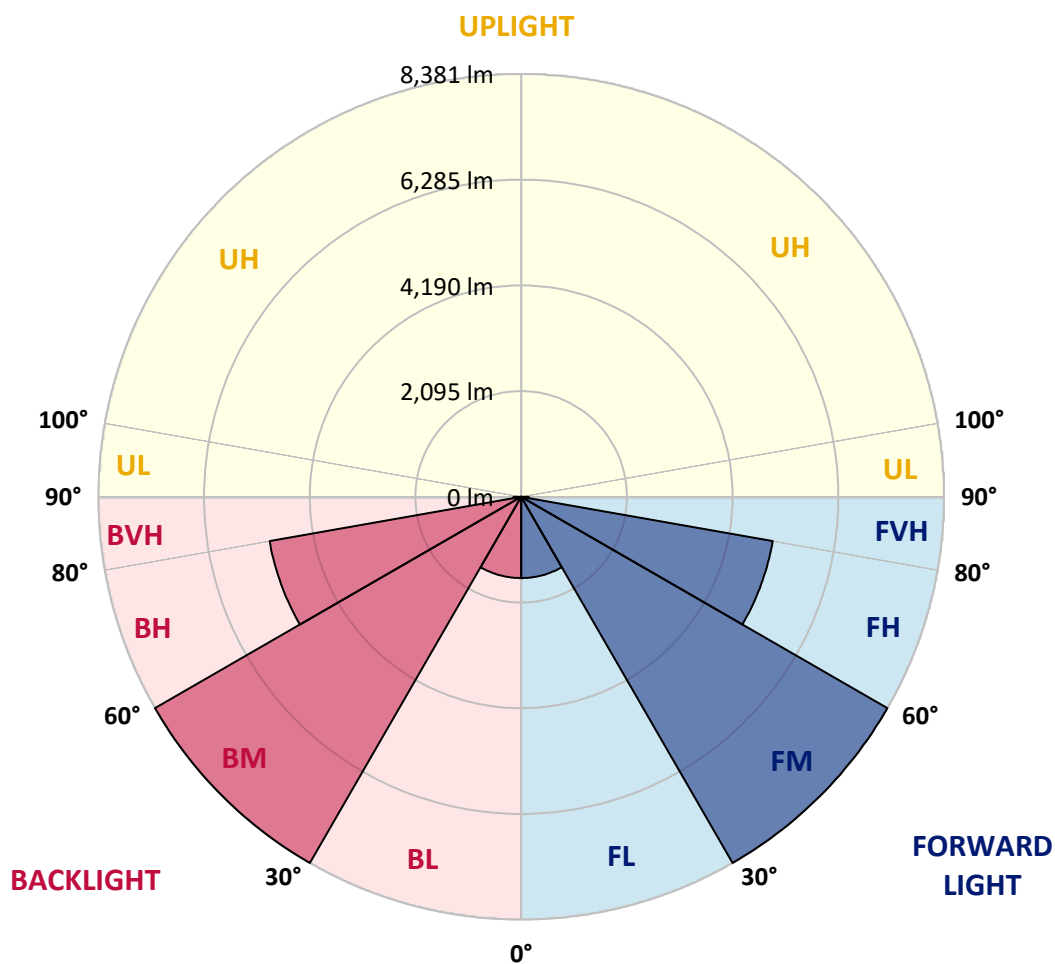
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1610.4	5.3			
FM	(30°-60°)	8380.5	27.6			
FH	(60°-80°)	5062.9	16.6			G3/7500
FVH	(80°-90°)	151.7	0.5			G2/225
BL	(0°-30°)	1610.4	5.3	B3/2500		
BM	(30°-60°)	8380.5	27.6	B4/8500		
BH	(60°-80°)	5062.9	16.6	B5		G5
BVH	(80°-90°)	151.7	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3373.3	3373.3	3373.3	3373.3	3373.3	3373.3	3373.3	3373.3	3373.3	3373.3	3373.3
2.5°	3367.5	3364.7	3367.5	3366.1	3369.0	3369.0	3371.9	3377.6	3377.6	3381.9	3380.5
5°	3334.5	3333.0	3337.4	3341.7	3346.0	3354.6	3363.2	3376.2	3386.2	3393.4	3400.6
7.5°	3269.8	3269.8	3275.6	3285.6	3295.7	3314.4	3334.5	3360.4	3386.2	3407.8	3426.5
10°	3216.6	3219.5	3226.7	3243.9	3261.2	3289.9	3317.2	3354.6	3390.5	3426.5	3455.2
12.5°	3185.0	3189.3	3202.3	3228.1	3256.9	3295.7	3337.4	3384.8	3425.0	3468.1	3496.9
15°	3195.1	3197.9	3216.6	3248.2	3285.6	3334.5	3390.5	3446.6	3494.0	3540.0	3578.8
17.5°	3251.1	3255.4	3277.0	3312.9	3351.7	3409.2	3469.6	3532.8	3591.8	3643.5	3690.9
20°	3351.7	3356.0	3383.3	3422.2	3468.1	3527.1	3587.4	3653.6	3719.7	3774.3	3827.5
22.5°	3494.0	3501.2	3527.1	3565.9	3617.6	3680.9	3752.7	3823.2	3886.4	3936.7	3984.1
25°	3680.9	3696.7	3721.1	3764.2	3818.8	3876.3	3953.9	4025.8	4086.2	4133.6	4168.1
27.5°	3945.3	3966.9	3985.6	4027.2	4080.4	4135.0	4212.7	4275.9	4333.4	4379.4	4405.3
30°	4296.0	4317.6	4336.3	4376.5	4425.4	4477.1	4550.4	4606.5	4642.4	4678.3	4676.9
32.5°	4721.5	4744.5	4751.6	4794.8	4845.1	4901.1	4967.2	4998.8	5027.6	5031.9	5006.0
35°	5197.2	5208.7	5237.4	5294.9	5352.4	5398.4	5461.7	5477.5	5477.5	5455.9	5398.4
37.5°	5718.9	5726.1	5766.4	5831.0	5890.0	5937.4	5980.5	6012.1	5996.3	5950.3	5854.0
40°	6291.0	6303.9	6361.4	6418.9	6485.0	6529.5	6575.5	6581.3	6565.5	6497.9	6367.1
42.5°	6837.1	6848.6	6906.1	6996.7	7082.9	7144.7	7187.8	7196.4	7146.1	7084.3	6921.9
45°	7307.1	7337.3	7412.0	7518.4	7643.4	7731.1	7790.0	7814.5	7769.9	7689.4	7501.1
47.5°	7679.4	7709.6	7815.9	7942.4	8097.6	8239.9	8337.6	8389.4	8377.9	8317.5	8112.0
50°	7952.5	7981.2	8096.2	8251.4	8432.5	8609.3	8776.0	8899.6	8942.7	8915.4	8727.1
52.5°	7984.1	8031.5	8166.6	8375.0	8610.7	8852.2	9089.3	9299.2	9441.5	9463.0	9323.6
55°	7542.8	7590.3	7777.1	8086.1	8436.8	8830.6	9210.1	9563.6	9843.9	9987.6	9914.3
57.5°	6502.2	6587.0	6783.9	7146.1	7662.1	8251.4	8856.5	9484.6	10055.2	10436.1	10509.4
60°	4983.0	5083.6	5282.0	5667.2	6242.1	6944.9	7752.7	8681.2	9688.7	10545.3	11057.0
62.5°	3196.5	3291.4	3499.8	3834.7	4303.2	5065.0	5931.6	7034.0	8387.9	9740.4	10959.2
65°	1642.8	1694.5	1803.8	2006.4	2371.5	2940.7	3718.2	4817.8	6365.7	8034.4	9796.5
67.5°	1040.6	1050.6	1075.1	1103.8	1197.3	1394.2					

